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of Correction

DATE: July 12, 2007

PTO IDENTIFIER: Application Number 10/828,461 Conf. #4010
Patent Number 7,086,739 B2

Inventor: Hiroshi KIDA et al.

MESSAGE TO: US Patent and Trademark Office

FAX NUMBER: (571) 273-8300

FROM: BIRCH, STEWART, KOLASCH & BIRCH, LLP

Chad J. Billings

PHONE: (703) 205-8000

Attorney Dkt. #: 2257-0247PUS1

PAGES (Including Cover Sheet): 15

CONTENTS:
Certificate of Transmission (1 page)
Second Request for Certificate of Correction Pursuant to 37 CFR 1.322 (2 pages)
Copy of USPTO Communication Dated June 2, 2007 (2 pages)
Copy of Amendment Filed April 26, 2007 (8 pages)
Certificate of Correction (1 page)

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Application No. (if known): 10/828,461

Attorney Docket No.: 2257-0247PUS1

Certificate of Transmission under 37 CFR 1.8

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Docket No.: 2257-0247PUS1
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Letters Patent of:
Hiroshi KIDA et al.

Patent No.: 7,086,739 B2

Issued: August 8, 2006

For: PROJECTION DISPLAY APPARATUS
WITH CAPABILITY OF CONTROLLING
WHETHER TO COOL LAMP
DEPENDING ON LAMP TEMPERATURE
WHEN RESTARTING LAMP

**SECOND REQUEST FOR CERTIFICATE OF
CORRECTION PURSUANT TO 37 CFR 1.322**

Attention: Certificate of Correction Section
c/o Decisions & Certificates of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Upon reviewing the above-identified patent, Patentee noted a typographical error which should be corrected.

In the Claims:

In Claim 6, line 1, "claim 1" should read -claim 11--.

In the Issued Patent claim 6 corresponds to claim 13 during the prosecution of the application and claim 11 corresponds to claim 20. In a response filed April 26, 2006 the dependency of claim 13 was amended to depend from claim 20. On June 2, 2006, prior to the printing of the patent,

Birch, Stewart, Kolasch & Birch, LLP

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JUL 12 2007

Patent No.: 7,086,739 B2

Docket No.: 2257-0247PUS1

the Examiner entered the amendments introduced in the April 26, 2006 response. Thus, in the Issued Patent claim 6 should depend from claim 11. A previous response by the Decision and Certificate of Correction Branch noted that the error in the claims was not caused by the USPTO. However, the amendments were entered by the Examiner, as noted above. Thus dependency of claim 6 to claim 1 in the Issued Patent is an error on the part of the U.S. Patent and Trademark Office. Copies of the April 26, 2006 Response and the Examiner's Notice of the amendment being entered are attached herewith.

The error was not in the application as filed by applicant; accordingly no fee is required.

Transmitted herewith is a proposed Certificate of Correction effecting such amendment. Patentee respectfully solicits the granting of the requested Certificate of Correction.

Dated: July 12, 2007

Respectfully submitted,

By 

Chad J. Billings

Registration No.: 48,917

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P. 05



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/828,461	04/21/2004	Hiroshi Kida	2257-0247PUS1	4010
2292	7590	06/02/2006		
BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747				
EXAMINER KOVAL, MELISSA J				
ART UNIT		PAPER NUMBER		
2851				

REVIEWED BY
DOCKETING

DATE MAILED: 06/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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Response to Rule 312 Communication	Application No.	Applicant(s)	
	10/828,469	KIDA ET AL.	
	Examiner	Art Unit	
	Melissa J. Koval	2851	

- The MAILING DATE of this communication appears on the cover sheet with the correspondence address -

1. ☒ The amendment filed on April 26, 2006 under 37 CFR 1.312 has been considered, and has been:

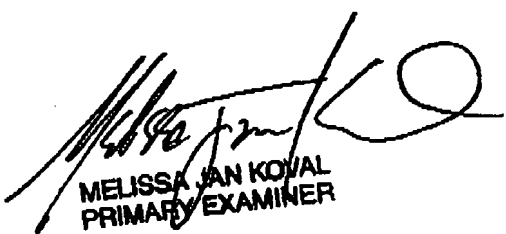
a) ☒ entered.

b) ☐ entered as directed to matters of form not affecting the scope of the invention.

c) ☐ disapproved because the amendment was filed after the payment of the issue fee.
Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.


d) ☐ disapproved. See explanation below.

e) ☐ entered in part. See explanation below.


MELISSA JAN KOVAL
PRIMARY EXAMINER

COPY

MS ISSUE FEE

AMENDMENT TRANSMITTAL LETTER				Docket No. 2257-0247PUS1	
Application No. 10/828,461-Conf. #4010		Filing Date April 21, 2004		Examiner M. J. Koval	
				Art Unit 2851	
Applicant(s): Hiroshi KIDA et al.					
Invention: PROJECTION DISPLAY APPARATUS WITH CAPABILITY OF CONTROLLING WHETHER TO COOL LAMP DEPENDING ON LAMP TEMPERATURE WHEN RESTARTING LAMP					
HAND CARRY TO: Customer Window, MS Issue Fee U.S. Patent and Trademark Office Randolph Building 401 Dulany Street Alexandria, Virginia 22314					
Transmitted herewith is an amendment in the above-identified application.					
The fee has been calculated and is transmitted as shown below.					
CLAIMS AS AMENDED					
	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present	Rate	
Total Claims	15	- 20 =		x	
Independent Claims	1	- 3 =		x	
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					
Other fee (please specify):					
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:					0.00
<input checked="" type="checkbox"/> Large Entity			<input type="checkbox"/> Small Entity		
<input checked="" type="checkbox"/> No additional fee is required for this amendment.					
<input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of \$ _____.					
A duplicate copy of this sheet is enclosed.					
<input type="checkbox"/> A check in the amount of \$ _____ is enclosed.					
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.					
<input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. <u>02-2448</u> as described below. A duplicate copy of this sheet is enclosed.					
<input checked="" type="checkbox"/> Credit any overpayment.					
<input checked="" type="checkbox"/> Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.					
 Michael R. Cammarata Attorney Reg. No.: 39,491 BIRCH, STEWART, KOLASCH & BIRCH, LLP 8110 Gatehouse Road Suite 100 East P.O. Box 747 Falls Church, Virginia 22040-0747 (703) 205-8000				Dated: <u>April 26, 2006</u>	
				COPY	

Birch, Stewart, Kolasch & Birch, LLP

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JUL 12 2007

MS ISSUE FEE
Docket No.: 2257-0247PUS1
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Hiroshi KIDA et al.

Application No.: 10/828,461

Filed: April 21, 2004

For: PROJECTION DISPLAY APPARATUS WITH
CAPABILITY OF CONTROLLING WHETHER
TO COOL LAMP DEPENDING ON LAMP
TEMPERATURE WHEN RESTARTING LAMP

Confirmation No.: 4010

Art Unit: 2851

Examiner: M. J. Koval

AMENDMENT UNDER 37 C.F.R. § 1.312

**U.S. Patent and Trademark Office
Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314**

Sir:

Pursuant to the provisions of 37 C.F.R. § 1.312, the following amendments and remarks are respectfully submitted in connection with the above-identified application. It is respectfully requested that the following amendments be entered without withdrawing the application from issue.

Amendments to the Claims are reflected in the listing of the claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 6, of this paper.

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Application No.: 10/828,461

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Docket No.: 2257-0247PUS1

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS

1. (Original) A projection display apparatus configured to modulate light radiated from a lamp to project the modulated light, comprising:
a cooling element for cooling said lamp;
a time management section for managing time elapsed since turn-off of power supply to said lamp; and

a controller for controlling restart of said lamp after turn-off of said lamp, said controller turning on said lamp after causing said cooling element to cool said lamp when the temperature of said lamp is higher than a predetermined temperature, based on an output from said time management section, said controller turning on said lamp without causing said cooling element to cool said lamp prior to turn-on of said lamp when the temperature of said lamp is lower than said predetermined temperature, based on the output from said time management section.

2. (Original) The projection display apparatus according to claim 1, wherein
said controller is configured to store information about whether the preceding turn-off of said lamp is normal or abnormal, and

for control of the restart of said lamp after the turn-off of said lamp, said controller immediately turns on said lamp when the preceding turn-off of said lamp is normal, and performs a judgment operation as to whether the temperature of said lamp is higher or lower than said predetermined temperature, based on the output from said time management section when the preceding turn-off of said lamp is abnormal.

3. (Canceled)

4. (Canceled)

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Application No.: 10/828,461

Docket No.: 2257-0247PUS1

5. (Original) The projection display apparatus according to claim 1, wherein said time management section includes a capacitor and a resistor, and is configured to charge said capacitor during a period of time that said lamp is on and to discharge said capacitor through said resistor during a period of time that said lamp is off.

6. (Original) The projection display apparatus according to claim 5, wherein setting is made so that the time required for an output voltage from said capacitor to reach a predetermined value by the discharge of said capacitor is equal in length to the time required for the temperature of said lamp allowed to cool down to reach said predetermined temperature.

7. (Original) The projection display apparatus according to claim 5, wherein said controller is configured to store information about whether the preceding turn-off of said lamp is normal or abnormal, and
for control of the restart of said lamp after the turn-off of said lamp, said controller immediately turns on said lamp when the preceding turn-off of said lamp is normal, and performs a judgment operation as to whether the temperature of said lamp is higher or lower than said predetermined temperature, based on the output voltage from said capacitor when the preceding turn-off of said lamp is abnormal.

Claims 8-12 (Canceled)

13. (Currently amended) The projection display apparatus according to claim 4 20, wherein said controller is configured to store information about whether the preceding turn-off of said lamp is normal or abnormal, and
for control of the restart of said lamp after the turn-off of said lamp, said controller immediately turns on said lamp when the preceding turn-off of said lamp is normal, and performs a judgment operation as to whether the temperature of said lamp is higher or lower than said predetermined temperature, based on time data outputted from said timer IC when the preceding turn-off of said lamp is abnormal.

Claims 14-15 (Canceled)

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Application No.: 10/828,461

Docket No.: 2257-0247PUS1

16. (New) The projection display apparatus according to claim 1, wherein said controller always performs a judgment operation as to whether the temperature of said lamp is higher or lower than said predetermined temperature based on the output from said time management section, before turning on said lamp.

17. (New) The projection display apparatus according to claim 1, wherein said controller changes a period of time that said cooling element cools said lamp, based on the output from said time management section.

18. (New) The projection display apparatus according to claim 5, wherein said controller always performs a judgment operation as to whether the temperature of said lamp is higher or lower than said predetermined temperature based on the output voltage from said capacitor, before turning on said lamp.

19. (New) The projection display apparatus according to claim 5, wherein said controller changes a period of time that said cooling element cools said lamp, based on the output voltage from said capacitor.

20. (New) The projection display apparatus according to claim 1, wherein said time management section includes a timer IC for counting time, and is configured to start a counting operation of said timer IC at the time that said lamp turns off.

21. (New) The projection display apparatus according to claim 20, wherein for control of the restart of said lamp after the turn-off of said lamp, said controller judges that the temperature of said lamp is higher than said predetermined temperature when the time counted by said timer IC is shorter than predetermined time, and judges that the temperature of said lamp is lower than said predetermined temperature when the time counted by said timer IC is longer than said predetermined time.

Application No.: 10/828,461

Docket No.: 2257-0247PUS1

22. (New) The projection display apparatus according to claim 21, wherein said predetermined time is set to be equal in length to the time required for the temperature of said lamp allowed to cool down to reach said predetermined temperature.

23. (New) The projection display apparatus according to claim 20, wherein said controller always performs a judgment operation as to whether the temperature of said lamp is higher or lower than said predetermined temperature based on time data outputted from said timer IC, before turning on said lamp.

24. (New) The projection display apparatus according to claim 20, wherein said controller changes a period of time that said cooling element cools said lamp, based on time data outputted from said timer IC.

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P. 13

JUL 12 2007

Application No.: 10/828,461

Docket No.: 2257-0247PUS1

REMARKS

Claims 1, 2, 5-7 and 13 have been allowed. Claims 3, 4, 8-12, 14 and 15 were canceled by Examiner's amendment. By this Response, claim 13 is amended and claims 16-24 added.

Applicants note that claims 3, 4, 8-12, 14 and 15 were directed to an unelected species. Claim 1 was generic to this species. Thus, these claims should not have been canceled by an Examiner's amendment and instead recaptured in view of allowed claim 1. A telephone call was placed to the Examiner on April 25, 2006, in which the Examiner agreed that these claims should not have been canceled. The Examiner stated that the canceled claims could be added to the application and the application would then proceed forward with allowance. Applicants have added claims 16-24 for this purpose. Claims 16-24 are identical to canceled claims 3, 4, 8, 12, 14 and 15. Accordingly allowance of the application should be maintained.

Applicants have also amended claim 13 to correct its dependency. Claim 13 was originally dependent from canceled claim 10 and is now dependent from claim 20.

Applicants respectfully submit that the amendment to claim 13 does not raise any new issues and does not affect the allowance of the application.

Therefore, in view of the above applicants respectfully submit that the application should maintain its allowable status.

CONCLUSION

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Chad J. Billings (Reg. No. 48,917) at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

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Application No.: 10/828,461

Docket No.: 2257-0247PUS1

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Dated: April 26, 2006

Respectfully submitted,

By 

Michael R. Cammarata

Registration No. 39,491

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Attorney for Applicant

Attachments

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PTO/SB/44 (07-07)

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(Also Form PTO-1060)**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 7,086,739 B2
APPLICATION NO. : 10/828,461
ISSUE DATE : August 8, 2006
INVENTOR(S) : Hiroshi KIDA et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 6, line 1, "claim 1" should read --claim 1--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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